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ART 3A AND 1

Claims

1. A method for closing an already filled hollow glass body provided with an essentially cylindrical filling neck (3), wherein said filling neck, which is made of glass, is closed by a melting process once the hollow body has been filled, wherein said filling neck (3) has inserted therein a glass closing plug (4) which drives out at least part of the air volume located above the filling level of the hollow body and which is then fused with the circumferentially extending free end of the cylindrical filling neck (3) at the circumference thereof, wherein said glass plug is additionally provided with a radially projecting flange (7) whose outer diameter corresponds to the outer diameter of the filling neck (3), whereas the area (5) of the glass plug (4) projecting into the filling neck has an outer diameter that corresponds essentially to the inner diameter of the filling neck, **characterized in that** the flange (7) has a circumferentially extending centering bevel (8) on the side facing the filling neck (3).
2. A method according to claim 1, **characterized in that** a thin-walled, hollow glass plug (4) is used, whose wall thickness is smaller than or identical to the wall thickness of the filling neck (3) and corresponds preferably to 50 % of the wall thickness of said filling neck (3).
3. A method according to one of the claims 1 or 2, **characterized in that** a lettering is applied to the outer surface of the portion (5) of the glass plug (4) projecting into the filling neck (3).
4. A method according to one of the claims 1 to 3, **characterized in that**, immediately below the flange (7), the glass plug (4) has a constriction whose outer diameter is smaller than the outer diameter of the rest of the portion (5) of the glass plug (4) projecting into the filling neck.
5. A method according to one of the claims 1 to 4, **characterized in that** the glass plug is implemented as a stepped component including an external portion (6) following the flange (7) and having an outer diameter which corresponds essentially to the outer di-



iameter of the filling neck (3).

6. A method according to one of the claims 1 to 5, **characterized in that**, after fusing of the glass plug (4) and of the filling neck (3), the projecting portion (6) is removed by sawing off or breaking off.
7. A filled hollow glass body including an essentially cylindrical filling neck (3) and a hollow closing plug which is made of glass and which projects into said glass filling neck and is integrally connected thereto by means of a melting process, the wall thickness of said closing plug being smaller than that of the filling neck (3).
8. A kit including a hollow glass body which is adapted to be filled and closed, said hollow body being provided with a thin-walled, essentially cylindrical glass filling neck (3) and with a glass plug fitting into said filling neck (3), **characterized in that** the glass plug (4) is implemented as a thin-walled hollow body made of glass and provided with a substantially radially projecting flange (7) whose outer diameter corresponds to the outer diameter of the filling neck (3), whereas the portion (5) projecting into the filling neck (3) has an outer diameter which corresponds essentially to the inner diameter of the filling neck (3).